

Fellowships in Cancer Epidemiology and Genetics

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Division of Cancer Epidemiology and Genetics - Overview

The Division of Cancer Epidemiology and Genetics (DCEG) carries out a national and international program of population- and family-based studies to elucidate the environmental and genetic determinants of cancer. DCEG is an intramural research unit at the National Cancer Institute (NCI), which is part of the National Institutes of Health, located in a suburb of Washington, D.C.

DCEG is staffed by epidemiologists, geneticists, biostatisticians, and others who are committed to excellence in epidemiologic research and to training the next generation of scientists. The research portfolio includes a variety of investigations that identify and target high-risk and special populations in efforts to uncover the underlying causes of cancer and the means of cancer prevention.

Research Areas Include

- biostatistics and methodology
 - cancer health disparities
 - clinical genetics
 - descriptive epidemiology
 - diet and nutrition
 - host and endogenous factors
 - environmental and lifestyle factors
 - exposure assessment methods
 - genetic and familial susceptibility
 - gene-environment interactions
 - infectious agents
 - medications and medical histories
 - molecular epidemiology
 - multiple primary cancers
 - occupational exposures
 - quantitative risk assessment
 - radiation
- For more information see: **DCEG Research** <http://dceg.cancer.gov/research.html>
 - **The Epidemiology and Biostatistics Program** <http://dceg.cancer.gov/epbiostat-intro.html>
 - **Human Genetics Program** <http://dceg.cancer.gov/hgp.html>

Fellowship Overview

Fellows design, carry out, analyze, and publish research studies related to the etiology of cancer in human populations. Fellows gain experience with interdisciplinary, interagency and multicenter collaborations.

Epidemiologic research opportunities encompass the full range of cancer risk factors. Fellows also may receive training in emerging biostatistical areas, including epidemiologic methods, statistical genetics, clinical trials, and risk assessment.

Other features of the fellowship include courses and workshops in molecular and genetic epidemiology, grant writing, science management, mentoring, and career development.

Postdoctoral Fellowships

Fellowship training is up to five years under the supervision of DCEG scientists.

Eligibility Requirements

Applicants must:

- have an M.D. or doctoral degree in epidemiology, biostatistics, genetics, or other related research fields, or be pursuing a degree in these areas.
- be a U.S. citizen, resident alien, or foreign national eligible for a training visa.

Predoctoral Fellowships

Fellowships up to three years are offered to doctoral students for dissertation research and to master's level graduates. Applicants may be U.S. citizens, resident aliens, or those eligible for a training visa.

Graduate Partnership Programs with Schools of Public Health

DCEG partners with Yale University's Department of Epidemiology and Public Health in a unique training program which sponsors fellowships to support doctoral students in the study of cancer epidemiology (tuition plus stipend). For more information about this program click: Yale University - National Cancer Institute Partnership Training Program
(**Link:** <http://publichealth.yale.edu/nci/index.html>)

In addition, DCEG has established collaborative doctoral training partnerships in cancer epidemiology with two Schools of Public Health:

- Johns Hopkins Bloomberg School of Public Health, Department of Epidemiology
<http://www.jhsph.edu/dept/EPI/>
- George Washington University School of Public Health, Department of Epidemiology
<http://www.gwumc.edu/sphhs/departments/epibio/>

Application Materials

Fellowship applications are accepted on an ongoing basis. To expedite the review process, submit all application materials online to ncidced-r@mail.nih.gov. See directions below.

All applicants need to submit:

- Completed online **Summary Application Form**
(<http://dceg.cancer.gov/SumAppForm.html>)
- Curriculum vitae and bibliography
- A cover letter describing areas of research interest
- Three letters of recommendation (**Note:** *applicants may send referees' names initially, after which letters will be requested if interviewed. Letters may be sent via email attachment.*)

Inquiries

Email: ncidced-r@mail.nih.gov

Telephone: 301-594-3005

Office of Education

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